

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please cancel claims 1 and 12-14 without prejudice or disclaimer.

1. (Cancelled).

2. (Currently amended) ~~The electronic control unit as in claim 1,~~

An electronic control unit to be carried by a conveyer having a conveyer passage, the electronic control unit comprising:

a substantially box-shaped case having a bottom opening;

a bottom cover for closing the bottom opening of the case; and

a circuit board having electronic components mounted thereon, the circuit board being contained in a space formed by the case and the bottom cover, wherein:

side stays extending to both sides of the bottom cover are formed integrally with the bottom cover, each side stay having a predetermined width suitable for mounting the electronic control unit on a vehicle,

each side stay includes a bent portion bent from the side stay at a substantially right angle,
and

a height of the bent portion is larger than a difference between a width of the conveyer passage and a height of the electronic control unit.

3. (Original) The electronic control unit as in claim 2, wherein: the bottom cover includes a bottom plate and a pair of fringe walls standing upward from the bottom plate; and the height of the bent portion is smaller than a height of the fringe walls.

Claims 4-5 (Cancelled)

6. (Currently amended) The electronic control unit as in ~~claim 1~~ claim 2, wherein: holes for connecting a mounting bracket are formed on the side stay.

Claims 7-14 (Cancelled)

15. (Previously presented) An electronic control unit to be carried by a conveyer having a conveyer passage, the electronic control unit comprising:

- a substantially box-shaped case having a bottom opening;
- a bottom cover for closing the bottom opening of the case; and
- a circuit board having electronic components mounted thereon, the circuit board being contained in a space formed by the case and the bottom cover, wherein:
 - side stays extending to both sides of the bottom cover are formed integrally with the bottom cover, each side stay having a predetermined width suitable for mounting the electronic control unit on a vehicle; and
 - each side stay includes a plane perpendicular to the bottom cover, the plane being positioned at an outermost portion of the side stay.

16. (Currently amended) ~~The electronic control unit as in claim 1,~~

An electronic control unit to be carried by a conveyer having a conveyer passage, the electronic control unit comprising:

a substantially box-shaped case having a bottom opening;

a bottom cover for closing the bottom opening of the case; and

a circuit board having electronic components mounted thereon, the circuit board being contained in a space formed by the case and the bottom cover, wherein

side stays extending to both sides of the bottom cover are formed integrally with the bottom cover, each side stay having a predetermined width suitable for mounting the electronic control unit on a vehicle,

each side stay includes a bent portion bent from the side stay at a substantially right angle,
and

each side stay including the bent portion, measured in a direction perpendicular to the width of the side stay, has a predetermined length that is approximately equal to a corresponding length of the bottom cover.

17. (Currently amended) The ~~electronic control unit as in claim 1,~~

An electronic control unit to be carried by a conveyer having a conveyer passage, the electronic control unit comprising:

a substantially box-shaped case having a bottom opening;

a bottom cover for closing the bottom opening of the case; and

a circuit board having electronic components mounted thereon, the circuit board being contained in a space formed by the case and the bottom cover, wherein:

side stays extending to both sides of the bottom cover are formed integrally with the bottom cover, each side stay having a predetermined width suitable for mounting the electronic control unit on a vehicle; and

each side stay includes a bent portion bent from the side stay at a substantially right angle,

wherein

each side stay including the bent portion, measured in a direction perpendicular to the width of the side stay, has a predetermined length that is less than a corresponding length of the bottom cover.

18. (Previously presented) The electronic control unit as in claim 15, wherein the plane perpendicular to the bottom cover has a predetermined length that is approximately equal to a corresponding length of the bottom cover.

19. (Previously presented) The electronic control unit as in claim 15, wherein the plane perpendicular to the bottom cover has a predetermined length that is less than a corresponding length of the bottom cover.

20. (Currently amended) ~~The method of claim 12,~~

A method of conveying an electronic control unit by a conveyer having a conveyer passage, the electronic control unit to be carried by a conveyer having a conveyer passage, the electronic control unit including a substantially box-shaped case having a bottom opening, a bottom cover for closing the bottom opening of the case, and a circuit board having electronic components mounted thereon, the circuit board being contained in a space formed by the case and the bottom cover, wherein side stays extending to both sides of the bottom cover are each formed integrally with the bottom cover and have a predetermined width suitable for mounting the electronic control unit on a vehicle, and each of the side stays includes a bent portion bent therefrom at a substantially right angle, the method comprising:

placing a plurality of electronic control units on the conveyer passage so that the bent portion of each electronic control unit faces the bent portion of another electronic control unit;
and

further comprising preventing overlapping of adjacent ones of the plurality of electronic control units on the conveyor passage by providing the bent portion of each electronic control unit with a predetermined length, measured in a direction perpendicular to the width of the corresponding side stay, that is approximately equal to a corresponding length of the bottom cover.

21. (Currently amended) ~~The method of claim 12,~~

A method of conveying an electronic control unit by a conveyer having a conveyer passage, the electronic control unit to be carried by a conveyer having a conveyer passage, the electronic control unit including a substantially box-shaped case having a bottom opening, a bottom cover for closing the bottom opening of the case, and a circuit board having electronic components mounted thereon, the circuit board being contained in a space formed by the case and the bottom cover, wherein side stays extending to both sides of the bottom cover are each formed integrally with the bottom cover and have a predetermined width suitable for mounting the electronic control unit on a vehicle, and each of the side stays includes a bent portion bent therefrom at a substantially right angle, the method comprising:

placing a plurality of electronic control units on the conveyer passage so that the bent portion of each electronic control unit faces the bent portion of another electronic control unit;
and

further comprising preventing overlapping of adjacent ones of the plurality of electronic control units on the conveyor passage by providing the bent portion of each electronic control unit with a predetermined length, measured in a direction perpendicular to the width of the corresponding side stay, that is less than a corresponding length of the bottom cover.